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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/735,586	12/12/2003	Valeri Atamaniouk	NOKM.078PA	1728

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EXAMINER

WON, MICHAEL YOUNG

ART UNIT	PAPER NUMBER
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2155

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	12/28/2006	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/735,586

Applicant(s)

ATAMANIOUK, VALERI

Examiner

Michael Y. Won

Art Unit

2155

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 December 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 4/26/04.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____.

DETAILED ACTION

1. This action is in response to the Application filed December 12, 2003.
2. Claims 1-15 have been examined and are pending with this action.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-15 are rejected under 35 U.S.C. 102(e) as being anticipated by Coles et al. (US 2004/0133630 A1).

As per **claim 1**, Coles teaches a communication system optimized for multipart responses, the communication system comprising:

a client adapted to request content from the communication system, the request for content including an indicator that a multipart response is desired (see page 10, [0114]-[0132]: "constructs the aggregate profile http header set");

a proxy coupled to receive the request for content and adapted to access the communication system for the requested content (see page 5, [0055]: “there is provided a data-processing means, in this case a proxy server 300”); and

a server coupled to the proxy to provide the requested content (see Fig.4-Fig.6), wherein the proxy is adapted to provide a single part response to the client (see page 10, [0134]: “include the appropriate part in single-part responses to individual data receiving application 800”), the single part response including an indicator to signal a subsequent multipart response that is related to the single part response (see page 10, [0133]: “The existing http multipart response mechanism may be extended to transport multiple response variants by using headers to associate each entity part with a data receiving application”).

As per **claim 2**, which depends on claim 1, Coles further teaches wherein the request for content comprises a Hyper Text Transfer Protocol (HTTP) request having a request header (see page 10, [0113]).

As per **claim 3**, which depends on claim 2, Coles further teaches wherein the request header includes the indicator that a multipart response is desired (see page 10, [0126]).

As per **claim 4**, which depends on claim 1, Coles further teaches wherein the single part response comprises a Hyper Text Transfer Protocol (HTTP) response having a response header (see page 10, [0133]).

As per **claim 5**, which depends on claim 4, Coles further teaches wherein the response header includes the indicator that a multipart response will be subsequently transmitted (see page 10, [0133]).

As per **claim 6**, Coles teaches a method for multipart response optimization, comprising:

generating a first request for content, the first request including a multipart response expectation indicator (see page 10, [0115]-[0117]: "First request:");

generating a first response to the first request for content (see page 6, [0067]: "copycat requests 806 may be stimulated only after the response to the initial request 802 has been received"), the first response including a multipart response capability (see page 8, [0091]: "each representation of the data is adapted for a specific set of application/device capabilities... passed to the data-processing means and processed in a similar manner to how form data is processed");

generating a second request for content (see page 10, [0118]-[0121]: "Second request"); and

generating a second response to the second request for content, wherein the second response includes a format that is indicative of the multipart response capability indicator (see page 10, [0133]: "The existing http multipart response mechanism may be extended to transport multiple response variants by using headers to associate each entity part with a data receiving application").

As per **claim 7**, which depends on claim 6, Cole further teaches wherein a lack of multipart response capability is signaled by an absence of a multipart response

capability indicator (inherency: if no profile exists, no device-specific “composite make-up” will exist for rendering the response).

As per **claim 8**, which depends on claim 7, Cole further teaches wherein the second request for content is one of a plurality of parallel requests for single part content (see page 7, [0084]).

As per **claim 9**, which depends on claim 6, Cole further teaches wherein support for the multipart response capability, is signaled by a multipart response capability indicator (see page 9, [109]-[110]).

As per **claim 10**, which depends on claim 9, Cole further teaches wherein the second request for content is a single request for multipart content (see page 6, [0068]).

As per **claim 11**, Cole teaches a mobile terminal wirelessly coupled to a network which includes a proxy coupled to the network, the mobile terminal comprising:

a memory (see page 5, [0053]: “PC has superior storage”) capable of storing at least a multipart header module (see page 7, [0087]-[0088]: “communicate the request group identity... via use of a header to the request”);

a processor (see page 5, [0053]: “PC has superior storage and processing capabilities”) coupled to the memory and configured by the multipart header module to generate content requests having a multipart response expectation indicator (see page 9, [0108]: “is aware of the capabilities of all data-receiving applications in the aggregation”); and

a transceiver configured to facilitate a content response exchange with the proxy, wherein the multipart header module is further configured to search the content

response for a multipart capability indicator (see page 9, [0102]: “searching of the complete data item” and [0108]-[0110]: “Therefore, the data-receiving devices... will have a so called aggregation profile which can be used to specify the composite make-up of the aggregation and the profile of data-receiving devices within the aggregation”).

As per **claim 12**, which depends on claim 11, Cole further teaches wherein existence of the multipart capability indicator in the content response precludes generation of parallel content requests from the processor (see page 6, [0068]: “copycat requests 806 are stalled at the caching proxy”).

As per **claim 13**, Cole teaches of a computer-readable medium having instructions stored thereon which are executable by a mobile terminal for requesting optimized multipart response handling in a network by performing steps comprising:

supplying a multipart expectation indicator in a content request (see page 10, [0114]-[0132]: “constructs the aggregate profile http header set”);

receiving a content response to the content request (see page 10, [0133]: “The existing http multipart response mechanism may be extended to transport multiple response variants by using headers to associate each entity part with a data receiving application”);

examining the content response for a multipart capability indication (see page 8, [0091]: “each representation of the data is adapted for a specific set of application/device capabilities... passed to the data-processing means and processed in a similar manner to how form data is processed”); and

precluding transmission of parallel content requests when the multipart capability indication exists within the content response (see page 6, [0068]: “copycat requests 806 are stalled at the caching proxy”).

As per **claim 14**, Cole teaches a proxy coupled to a network to detect multipart content requests, the proxy comprising:

means for receiving a first content request (see page 5, [0055]: “there is provided a data-processing means, in this case a proxy server 300”);

means for determining the existence of a multipart response expectation indicator in the first content request (see page 10, [0114]-[0132]: “constructs the aggregate profile http header set”);

means for generating a single part response (see page 10, [0134]: “include the appropriate part in single-part responses to individual data receiving application 800”) in response to the existence of the multipart response expectation indicator in the first content request (see page 10, [0133]: “The existing http multipart response mechanism may be extended to transport multiple response variants by using headers to associate each entity part with a data receiving application”); and

means for generating a multipart response after a second content request is received, the multipart response being related to the single part response (see page 10, [0133]: “The existing http multipart response mechanism may be extended to transport multiple response variants by using headers to associate each entity part with a data receiving application”).

As per **claim 15**, Cole teaches a computer-readable medium having instructions stored thereon which are executable by a proxy by performing steps comprising:

receiving a first content request(see page 5, [0055]: "there is provided a data-processing means, in this case a proxy server 300");

determining the existence of a multipart response expectation indicator in the first content request (see page 10, [0114]-[0132]: "constructs the aggregate profile http header set");

generating a single part response (see page 10, [0134]: "include the appropriate part in single-part responses to individual data receiving application 800") in response to the existence of the multipart response expectation indicator in the first content request(see page 10, [0133]: "The existing http multipart response mechanism may be extended to transport multiple response variants by using headers to associate each entity part with a data receiving application"); and

generating a multipart response after a second content request is received, the multipart response being related to the single part response (see page 10, [0133]: "The existing http multipart response mechanism may be extended to transport multiple response variants by using headers to associate each entity part with a data receiving application").

Conclusion

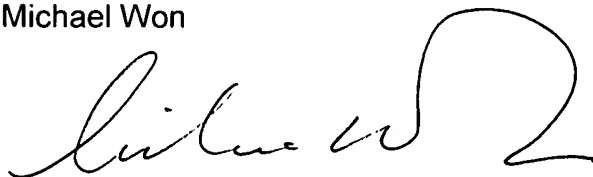
4. for the reasons above claims 1-15 have been rejected and remain pending.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Y. Won whose telephone number is 571-272-3993. The examiner can normally be reached on M-Th: 7AM-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saleh Najjar can be reached on 571-272-4006. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Michael Won

A handwritten signature in black ink, appearing to read 'Michael Won', with a large, stylized loop at the end.

December 20, 2006